

ESAT DATA VALIDATION EVALUATION CHECKLIST

Contract # EP-W-06-016

Task Order #: 0042 TDF #: 02096 Revision #: 0 Case/DAS #: R33917
 Site Name: Dimock SDG #: 480-15770-1
 Analysis Type: Organic SOW #: SW-846 Method 8015B
 Reviewer: Ex. 4 - CBI
 CLP Laboratory Code: TAL BUF

EPA CLP TPO: Jennifer Feranda
 EPA RPM:
 cc:

Region: 2

Number of hours spent on review: 4
 Number of samples: 20
 Validation Type: M3
 Flat File Required Yes No

Date submitted to EPA: 2/22/12

CRITERIA	YES	NO	COMMENTS
Format according to Region III protocol	✓		
Clarity of report	✓		
Qualifiers applied correctly	✓		
Consistency between narrative and data summary form(s)	✓		
Error-free transcription	✓		

EFFICIENCY OF CONTRACTOR	YES	NO	COMMENTS
Approval recommended for current submission	✓		
Time spent on review is reasonable	✓		
Technical Evaluation	4.0		

James A. B. 2/24/2012
 EPA Oversight

ESD OVERSIGHT

DATES	EPA	Oversight	ESAT
Received at EPA			
Oversight assigned			
Oversight received		2/29/2012	
Oversight completed		2/24/2012	
Feedback given			
Mailed to RPM			

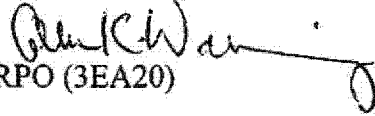
JP 2/24/12
 posted to S: drive



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
Environmental Sciences Center
701 Mapes Road
Fort Meade, Maryland 20755-5350

DATE : February 24, 2012

SUBJECT: Region III Data QA Review

FROM: Colleen Walling 
Region III ESAT RPO (3EA20)

TO: Rich Fetzer
Remedial Project Manager (3HS31)

Attached is the organic data validation report for the Dimock Residential Groundwater site (DAS#33917; SDG#: 480-15770-1) completed by the Region III Environmental Services Assistance Team (ESAT) contractor under the direction of Region III EAID.

If you have any questions regarding this review, please call me at (410) 305-2763.

Attachment

TO: #0042 TDF: #02096 Data Validation
TO: #0042 TDF: 02085 Sample Log-in Processing

cc: Gene Nance (Techlaw)
Suddha Graves (Techlaw)

OFFICE OF ANALYTICAL SERVICES AND QUALITY ASSURANCE

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Number of hours spent on review: 4
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 Validation Type: M3
 Flat File Required Yes ___ No ___

Date submitted to EPA: 2/22/12

CRITERIA	YES	NO	COMMENTS
Format according to Region III protocol	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Clarity of report	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Qualifiers applied correctly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Consistency between narrative and data summary form(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Error-free transcription	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

EFFICIENCY OF CONTRACTOR	YES	NO	COMMENTS
Approval recommended for current submission	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Time spent on review is reasonable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Technical Evaluation	<u>4.0</u>		<u>Jennifer A. Feranda 2/24/2012</u> EPA Oversight

ESD OVERSIGHT

DATES	EPA	Oversight	ESAT
Received at EPA	_____	<u>J.A.B.</u>	
Oversight assigned	_____	<u>2/29/2012</u>	
Oversight received	_____	<u>2/24/2012</u>	
Oversight completed	_____		
Feedback given	_____		
Mailed to RPM	_____		

ESAT DATA VALIDATION EVALUATION CHECKLIST

Contract # EP-W-06-016

PO# 0042

TDF# 02096 Data Validation

CLW 2/22/2012

Task Order #: 0042 TDF #: 02085 Revision #: 0 Case/DAS #: R33917
 Site Name: Dimock SDG #: 480-15770-1
 Analysis Type: Organic SOW #: SW-846 Method 8015B
 Reviewer: Ex. 4 - CBI
 CLP Laboratory Code: TAL BUF

EPA CLP TPO: Jennifer Feranda

Region: 2

EPA RPM:

cc:

Number of hours spent on review: 4

Number of samples: 20

Validation Type: M3

Flat File Required Yes No

Date submitted to EPA: 2/22/12

CRITERIA	YES	NO	COMMENTS
Format according to Region III protocol	✓	—	
Clarity of report	✓	—	
Qualifiers applied correctly	✓	—	(5)(B) Very low level = NO detects or Blank contaminant
Consistency between narrative and data summary form(s)	✓	—	
Error-free transcription	✓	—	

EFFICIENCY OF CONTRACTOR	YES	NO	COMMENTS
Approval recommended for current submission	✓	—	
Time spent on review is reasonable	✓	—	
Technical Evaluation	4.1		<i>[Signature]</i> Feb 22, 2012 EPA Oversight

ESD OVERSIGHT

DATES

EPA

Oversight

[Signature]

ESAT

Received at EPA
 Oversight assigned
 Oversight received
 Oversight completed
 Feedback given
 Mailed to RPM

2/22/2012
 2/22/2012 C/W

2-22-2012

2-22-2012

[Signature] 2/22/12
 posted to C: drive

Lockheed Martin IS&GS – Civil
Energy & Environment
ESAT Region 3
US EPA Environmental Science Center
701 Mapes Road Ft. Meade, MD 20755-5350
Telephone 410-305-3037 Facsimile 410-305-3597

Date: February 22, 2012

Subject: Organic Data Validation (M3 Level)
Case: R33917
Project: 480-15770-1
Site: Dimock

From: Ex. 4 - CBI
Organic Data Reviewer

Ex. 4 - CBI
Senior Oversight Chemist

To: Colleen Walling
ESAT Region 3 Project Officer

OVERVIEW

Third party Case R33917, Project 480-15770-1, consisted of twenty (20) aqueous samples including five (5) field blanks and one (1) rinsate blank analyzed for ethylene glycol, diethylene glycol, triethylene glycol, 2-methoxyethanol and 2-ethoxyethanol. Samples were analyzed by TestAmerica Buffalo (TAL BUF) according to Test Methods for Evaluating Solid Waste SW-846 Method 8015B.

SUMMARY

Data were validated according to Region 3 Modifications to the National Functional Guidelines for Organic Data Review, Level M3 and is assigned the Superfund Data Validation Label S4VM (Stage_4_Validation_Manual). Areas of concern with respect to data usability are listed below.

MINOR PROBLEMS

- Several compounds failed precision criteria [Percent Difference (%D)] (>15%) in continuing calibrations per Method 8015B. Positive results for triethylene glycol and diethylene glycol were impacted and were qualified "J" unless superseded by "B" on the DSFs. Quantitation limits were not impacted since the %D did not exceed the 50% criteria.

Case #: R33917

Project : 480-15770-1

Site :

DIMOCK

Number of Water Samples : 20

Lab. :

TAL BUF

Sample Number :	HW02	EB01	FB02	FB03	FB04						
Sampling Location :	HW02	EB01	FB02	FB03	FB04						
Laboratory ID :	480-15770-1	480-15770-2	480-15770-3	480-15770-4	480-15770-5						
Field QC :		Equipment Blank	Field Blank	Field Blank	Field Blank						
Matrix :	Water	Water	Water	Water	Water						
Units :	mg/L	mg/L	mg/L	mg/L	mg/L						
Date Sampled :	01/25/2012	01/28/2012	01/24/2012	01/25/2012	01/26/2012						
Time Sampled :	12:58	11:26	12:11	10:01	09:13						
Dilution Factor :	1.0	1.0	1.0	1.0	1.0						
Volatile Compound	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Ethylene glycol	10		UL				UL		UL		
Triethylene glycol	10		UL				UL	1.7	J		
Diethylene glycol	10	0.64	B	0.55	J	0.53	J	0.56	J	0.59	J
2-Methoxyethanol	10		UL				UL		UL		
2-Ethoxyethanol	10		UL				UL		UL		

Sample Number :	FB05	FB06	HW01	HW02z	HW04						
Sampling Location :	FB05	FB06	HW01	HW02z	HW04						
Laboratory ID :	480-15770-6	480-15770-7	480-15770-8	480-15770-9	480-15770-10						
Field QC :	Field Blank	Field Blank									
Matrix :	Water	Water	Water	Water	Water						
Units :	mg/L	mg/L	mg/L	mg/L	mg/L						
Date Sampled :	01/27/2012	01/30/2012	01/25/2012	01/25/2012	01/24/2012						
Time Sampled :	09:40	09:30	16:31	12:59	14:33						
Dilution Factor :	1.0	1.0	1.0	1.0	1.0						
Volatile Compound	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Ethylene glycol	10						UL		UL		UL
Triethylene glycol	10						UL		UL		UL
Diethylene glycol	10	0.56	J	0.56	J	0.56	B	0.54	B	0.52	B
2-Methoxyethanol	10						UL		UL		UL
2-Ethoxyethanol	10						UL		UL		UL

RL = Reporting Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (RL * Dilution Factor)

Revised 09/99

Case #: R33917 Project : 480-15770-1
 Site : DIMOCK
 Lab.: TAL BUF

Sample Number :		HW05		HW06		HW08a		HW12		HW13	
Sampling Location :		HW05		HW06		HW08a		HW12		HW13	
Laboratory ID :		480-15770-11		480-15770-12		480-15770-13		480-15770-14		480-15770-15	
Matrix :		Water		Water		Water		Water		Water	
Units :		mg/L		mg/L		mg/L		mg/L		mg/L	
Date Sampled :		01/26/2012		01/26/2012		01/25/2012		01/26/2012		01/30/2012	
Time Sampled :		11:35		15:30		11:46		13:23		11:23	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Volatile Compound	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Ethylene glycol	10						UL				
Triethylene glycol	10	2.2	J			3.0	B				
Diethylene glycol	10	0.68	B				UL			0.57	B
2-Methoxyethanol	10						UL				
2-Ethoxyethanol	10						UL				

Sample Number :	HW14	HW14-P	HW17	HW24	HW24-P						
Sampling Location :	HW14	HW14	HW17	HW24	HW24						
Laboratory ID :	480-15770-16	480-15770-17	480-15770-18	480-15770-19	480-15770-20						
Matrix :	Water	Water	Water	Water	Water						
Units :	mg/L	mg/L	mg/L	mg/L	mg/L						
Date Sampled :	01/26/2012	01/26/2012	01/27/2012	01/27/2012	01/27/2012						
Time Sampled :	17:13	19:15	11:40	12:09	13:18						
Dilution Factor :	1.0	1.0	1.0	1.0	1.0						
Volatile Compound	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Ethylene glycol	10										
Triethylene glycol	10										
Diethylene glycol	10	0.59	B	0.56	B	0.54	B	0.57	B	0.56	B
2-Methoxyethanol	10										
2-Ethoxyethanol	10										

RL = Reporting Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (RL * Dilution Factor)

Revised 09/99



Dimock Validation Report Routing

Fred Foreman to: **Ex. 4 - CBI**

Cc: Colleen Walling

02/22/2012 04:28 PM

From: Fred Foreman/ESC/R3/USEPA/US

To: **Ex. 4 - CBI**

Cc: Colleen Walling/ESC/R3/USEPA/US

Ex. 4 - CBI

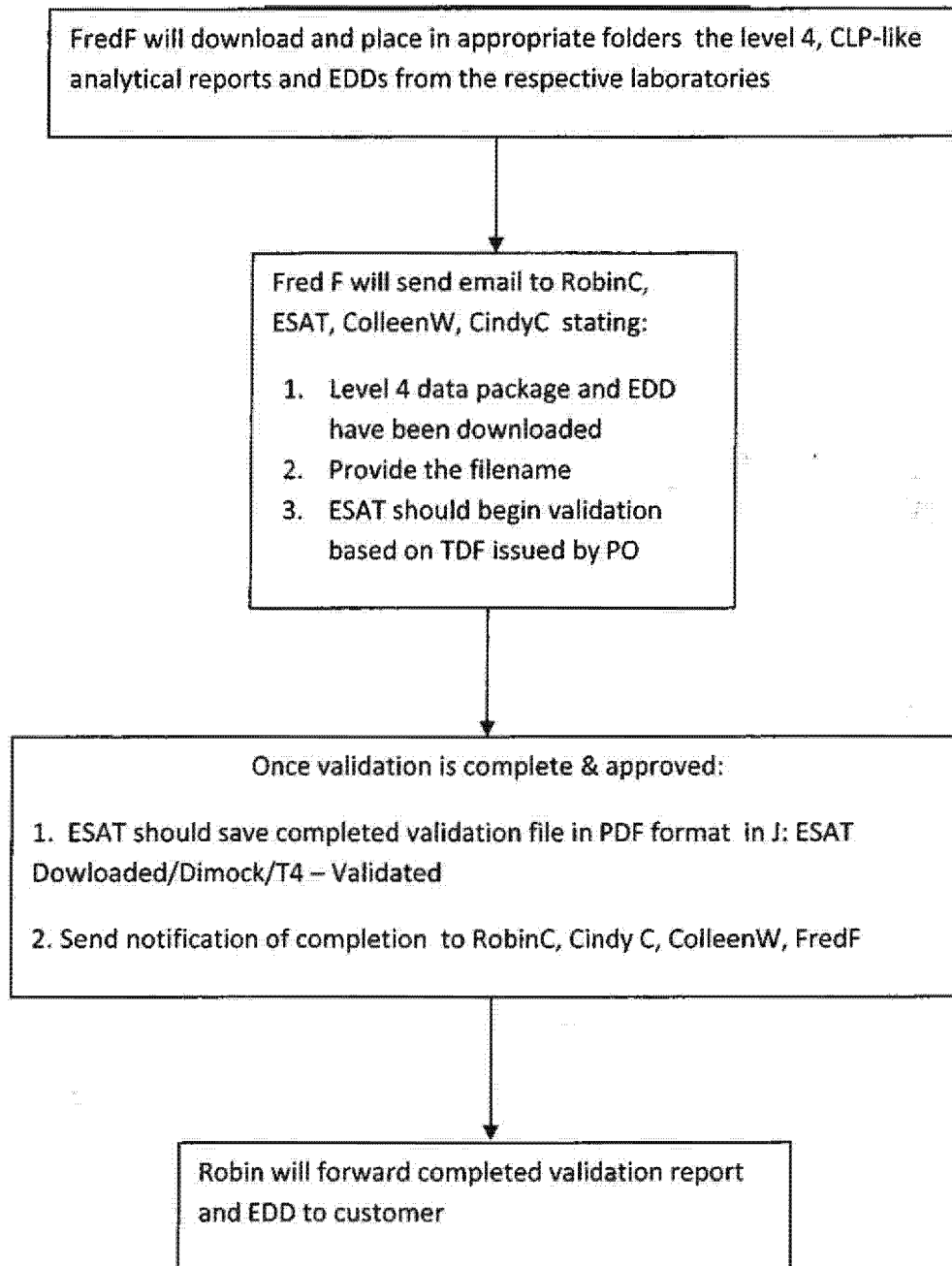
Basically, the final signed report is scanned and saved to **Nonresponsive**
Nonresponsive and an email sent to Robin Costas, Colleen, Cindy Caporale
and myself letting us know it is done.



data flowchart for validation.docx

Fred Foreman, Chief
Technical Services Branch
Office of Analytical Services & Quality Assurance
US EPA Region III
Ft. Meade, Maryland
410-305-2629

Data Flow for Dimock Tier IV Validation



Environmental Protection Agency

Office of Emergency and Remedial Response

TECHNICAL DIRECTION FORM

REGION 3 - ESAT

Contract No.: EP-W-06-016

Contractor Lockheed

Task Order No.: 0042

Sub-Task No.: 2

Technical Direction No. 02096 - Data Validation
02085 - Sample log-in processing

Task Order Project Officer: Colleen Walling

Phone (410) 305-2763

Description of Task: Data Review

Account Number: 2012T03N303DC6A3RARS00

Deliverable Due Date: 02/22/2012

SITE NAME: DIMOCK RESIDENTIAL GROUNDWATER SITE

SDG: 480-15770-1

Review the CLP analytical data for case: R33917

Additional sample information can be found on the attached QA assignment slip.

Follow data validation procedures outlined in SOPs and Guidance documents listed in the Task Order.

Case R33917

Number of Samples 20 W

Validation Level: M3

Comments: FLAT FILE REQ'D: YES

I CERTIFY THAT THIS TECHNICAL DIRECTIVE DOES NOT REQUEST SERVICES THAT ARE INHERENTLY GOVERNMENTAL FUNCTIONS AND THAT IT DOES NOT ALTER THE (1) STATEMENT OF WORK, (2) LEVEL OF EFFORT, (3) COST OF PERFORMING THE AUTHORIZED WORK, (4) NUMBER OF DELIVERABLES, OR (5) THE DUE DATES OF DELIVERABLES FOR THE ABOVE REFERENCED WORK ASSIGNMENT

TOPO Signature

Colleen Walling

Date

2/22/2012

Original to Contractor
cc: TOPO file

Project Officer

Contracting Officer